

**ABSTRACT OF THE DISCLOSURE**

A device to measure a radiation dose, in particular an x-ray radiation dose, which absorbs radiation and provides an absorption-conditional output signal representing a measurement for the dose, has at least one absorption structure disposed on a foil-like carrier, made from thin-film layers disposed on top of one another that form at least one thin-film diode structure that supplies the output signal.

CH1\ 4126851.1